

**COMHELTACWINGPAC  
NAS NORTH ISLAND, CA  
PROFESSIONAL LESSON GUIDE**

I. LECTURE NUMBER: PR - 01

II. TIME: 0.5

III. DATE PREPARED: 17 June 2002

IV. DATE REVIEWED REVIEWED BY:


V. TITLE: Survival Beacons and Radios

VI. OBJECTIVE: The aircrew members of this community, will utilize one or more personal radio systems during operational commitments. The need for prudent maintenance and operational capabilities should be known and/or understood by the maintenance personnel.

VII. INSTRUCTIONAL AID(S): None

VIII. REFERENCE(S):

- (a) NA 13-1-6.5, Chapter 13, Radios
- (b) NA 16-35PRC112-1
- (c) NA 16-30PRC90-2
- (d) NA 16-30PRC149-1

IX. PRESENTATION:

See reference (a), Chapter 13, sections 13-1 through 13-7.  
See references (b) through (d)

X. SUMMARY:

We have just studied survival beacons and radios required for use in the MH-60S helicopter. This included the study of the characteristics and purposes for each of the respective

pieces of equipment. We also studied the operational controls, accessories, operation, and correct maintenance and inspections procedures for each.

#### XI. QUESTIONS AND ANSWERS:

Q. What is the AN/PRC-90-2 radio?

A. A dual-channel personal emergency rescue transceiver, used principally for two-way voice or MCW (modulated continuous wave) communication between a downed aircrew member and a rescue aircraft.

Q. What is the AN/PRC-112 radio?

A. A personal emergency rescue transceiver, used principally for communications between a downed aircrew member and a rescue aircraft.

Q. The AN/PRC-149 radio set is \_\_\_\_\_.

A. a personal non-combat emergency communication radio and emergency location beacon transmitter.

Q. Man mounted AN/PRC-112 radio sets shall be checked and tested in accordance with NA 16-35PRC112-1 every \_\_\_\_\_ day.

A. 90